ALED RURAL DISTRICT COUNCIL

WELSH BOARD OF HEALTH
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A.

ANNUAL REPORTS

FOR

1937

OF THE

Medical Officer of Health

HENRY LLOYD

M.D., M.R.C.S., L.S.A., D.P.H., J.P.

AND THE

Sanitary Inspector

EDWARD O. EVANS

F.S.I.A., Cert. R.S.I.

"Sanitas Sanitatum Omnia Sanitas."

JOURNAL OFFICE, RHYL.

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Aled Rural District Council

ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH FOR THE YEAR 1937.

To the Chairman, Mrs. Recce, and Members of the Council.

Lady and Gentlemen,

I have the honour to present to you my twenty-fourth Annual Report, which has been prepared in accordance with the circular issued by the Welsh Board of Health, and which deals with the health and sanitary conditions of the district, its administration and vital statistics, together with many other matters, social conditions and general information relating to the area, housing activities and developing schemes under the Housing Acts, water supplies, sewerage, and the incidence of infectious diseases.

GENERAL STATISTICS.

Area, 69,206 acres (land and inland water).

Population at Census of		1901	6,908
Ditto	ditto	1911	6,710
Ditto	ditto	1921	6,790
Ditto	ditto	1931	7,255

The Registrar General's estimate of the resident population for the mid-year 1937 is 6,350.

The number of inhabited houses, according to the rate-books of 1937, is 1,692.

The rateable value is £23,258.

The estimated product of a penny rate is £99 19s. 10d.

SOCIAL CONDITIONS AND OCCUPATIONS.

As stated before in previous annual reports, the district is rural and agricultural, and its chief pursuit is farming. In Glan Conway there is a considerable amount of market gardening. As regards occupation, there is a considerable amount of unemployment in the district, and no sign of any new industry developing Some new houses have been built in parts of the district for retired people who have come to live in the country.

Eight new houses in the parish of Bettws-yn-Rhos and eight in the parish of Glan Conway were built during the year for rehousing displaced families from unfit and overcrowded houses.

VITAL STATISTICS.

BIRTH RATE.

The total number of births registered in the district during the year 1937 was 90—40 males and 50 females—giving a birth rate of 14.17 per 1,000 of the resident population, compared with 14.9 per 1,000 for England and Wales. Of the 90 births three were illegitimate—two males and one female. There was only one still birth—a legitimate female.

DEATHS.

The total number of deaths registered in the district during the year 1937 was 85—46 males and 39 females—giving a death rate of 13.38 per 1,000 of the resident population. Of this number 18 were deaths of persons who were non-resident, persons who lived outside the district, and these have to be deducted. On the other hand, 16 residents died in institutions and places outside our district, and have to be included—14 males and 4 females. Thus the nett or "corrected" death rate is 83—43 males and 40 females—which gives a death rate of 13.07 per 1,000 of the resident population, compared with 12.1 per 1,000 for England and Wales.

Table III gives the causes and ages at death.

INFANTILE MORTALITY.

The number of deaths of infants under one year of age was 7—4 males and 3 females. This gives a death rate per 1,000 births of 77.7, compared with 58 per 1,000 for England and Wales.

Table IV deals with the causes of death.

INFECTIOUS DISEASES.

There were 29 cases of infectious disease notified during the year (excluding tuberculosis from this category)—6 cases of scarlet fever, 20 of diphtheria, 2 of erysipelas, and only one of pneumonia, although, as two died of it, there must have been more.

Table II gives further information regarding these cases, with ages and distribution in the different parishes.

ZYMOTIC MORTALITY.

There was one death from diphtheria and none from typhoid or paratyphoid. Measles was very prevalent in the district, but no death was reported. Nor was there a death from scarlet fever, whooping cough, influenza, acute poliomyelitis, cerebro-spinal meningitis or encephalitis lethargica, which is satisfactory.

NOTIFIABLE DISEASES OTHER THAN TUBERCULOSIS DURING THE YEAR 1937.

Disease.	Total Cases Notified.	Cases Admitted to Hospital.	Total Deaths.
Small Pox	0	0	0
Scarlet Fever	6	5	0
Diphtheria	20	12	1
Typhoid Fever (including Para-Typhoid	0	0	0
Puerperal Fever and Pyrexia ...	0	0	0
Pneumonia	1	0	2
Erysipelas	2	0	0
Meningocal Meningitis	0	0	0
Encephalitis Lethargica	0	0	0
Poliomyelitis	0	0	0
Total	29	17	3

OPHTHALMIA NEONATORUM.

No case was reported during the year.

ISOLATION HOSPITAL.

During the year there were admitted from the district 5 cases of scarlet fever and 12 cases of diphtheria.

	Scarlet Fever.	Diphtheria.	Erysipelas.	Puerperal Fever.	Typhoid.	Measles.	Total
Other Districts	73	104	7	14	1	1	200

The total number treated in the Isolation Hospital at St. Asaph was 212.

3 cases of scarlet fever and 1 of diphtheria were admitted to Glan Conway Fever Hospital.

SUMMARY OF NURSING ARRANGEMENTS IN THE DISTRICT.

There are five District Nurses (qualified) in different centres or parishes in the district. Glan Conway has a nurse of its own. Llanelian is joined to Bettws. The district being very mountainous and scattered, and houses far apart, nurses have to travel long distances, with motor cycles and motor cars. They have been of great benefit to those parishes which have been able to maintain them. In some districts two or three parishes join together, and are thus able to support one nurse between them. The nurses do a deal of general nursing and dressing, and much of the midwifery. The district is at present well supplied with District Nurses.

CLINICS AND TREATMENT CENTRES.

The nearest Denbighshire centre is at Denbigh Infirmary, where a Maternity and Child Welfare Centre is now available for the surrounding parishes, such as Groes, Trefnant, Llannefydd, and Cefn.

GENERAL PROVISION OF HEALTH SERVICES IN THE AREA.

(1). TUBERCULOSIS.—No private institution is provided in the district for tuberculosis, but patients who cannot afford treatment in private institutions are well provided for by the King Edward VII Welsh National Memorial Association (Denbighshire and Flintshire area), whose Medical Officers visit clinical centres at Denbigh and Rhyl, where patients from the district are examined and suitable cases are sent to institutions provided for them in North Wales and elsewhere.

(2). MATERNITY.—There are Maternity Wards at the Public Assistance Institution at Ruthin, also at Denbigh Infirmary.

(3). THERE ARE COTTAGE HOMES.

(4).—FEVER.—For fever cases there is available the Isolation Hospital of the St. Asaph and District Conjoint Hospital Board at St. Asaph, which is kept in excellent condition, well staffed and well managed, with accommodation for 40 patients.

(5). SMALL POX.—No provision.

(6). OTHER INSTITUTIONS.—The Denbigh Infirmary is within convenient distance of the district, and is made use of on the Denbigh side. On the Abergele side of the district the Royal Alexandra Hospital, Rhyl, and the War Memorial Hospital, Rhyl, take in surgical cases, being within easy reach. At the Denbigh Infirmary there are a few free beds, but any surgical cases will be admitted at a maintenance fee of 17s. 6d. per week. At the Rhyl Hospitals the fees are higher. There is also the West Denbighshire Hospital at Colwyn Bay for that side of the district.

ORTHOPAEDIC TREATMENT.

The Denbighshire Voluntary Orthopaedic Association holds Out-patient Clinics at the Denbigh Infirmary. Mr. Watson Jones, F.R.C.S., of Liverpool, attends this Clinic every three months.

AMBULANCE FACILITIES.

(a) For infectious cases a hired motor ambulance is employed. (b) For non-infectious and accident cases there is a motor ambulance on hire from a private motor garage at Rhyl.

LABORATORY WORK.

Bacteriological examinations are paid for those who cannot bear the expense, and so also is diphtheria antitoxin.

CHEMICAL WORK.

Analyses of water supplies are carried out by the Clinical Research Association when required.

DISTRICT STAFF.

The Staff of the Aled Rural District Council consists of a Medical Officer of Health (part time, an M.D., M.R.C.S., L.S.A., D.P.H.), a Sanitary Inspector and Surveyor (F.S.I.A., Cert. R.S.I.), and a Clerk. For the combined Hospital district a Clerk and Secretary, a Steward and Collector, together with the following staff at the Isolation Hospital:—Miss Williams, Matron, who is an S.R.N. and S.C.M., registered and with fever trained experience; a staff nurse, assistant nurses, and, when required, when the Hospital is very full and much night nursing is necessary, extra temporary nurses; also 4 probationary nurses, a cook and a laundress, 3 ward maids, and a porter gardener.

DISINFECTION.

Arrangements for disinfection can be made as required with the Hospital Steward. A Washington Lyon disinfecting apparatus in the Hospital grounds is used as required.

EXTRACTS FROM VITAL STATISTICS FOR THE YEAR.

Births.	Total.	Males.	Females.
Legitimate	90	40	50
Illegitimate	3	2	1

Birth Rate, 14.17.

Deaths, 85. Death Rate, 13.38.

	Total.	Males.	Females.
"Corrected"	83	43	40

Corrected Death Rate, 13.07.

NUMBER OF WOMEN DYING IN, OR IN CONSEQUENCE OF, CHILD-BIRTH.

From Sepsis.—None.
From other causes.—None.

DEATHS OF INFANTS UNDER ONE YEAR OF AGE PER 1,000 BIRTHS.

7.—Males, 4. Females, 3.

Rate: Legitimate, 77.7; Illegitimate, 0. Total, 77.7.

Death from Measles (all ages).—None.

Death from Whooping Cough (all ages).—None.

Death from Diarrhoea (under 2 years of age).—One.

SECTION C.—SANITARY CIRCUMSTANCES OF THE AREA.

1.—(i) Water.

LLANFAIR TALHAIARN.—The extension to the works of water supply referred to in the two last annual reports has resulted in an improved supply for the village, but the supply was inadequate during the drought of last summer.

LLANSANNAN.—The water supply in this village proved to be very satisfactory except during serious drought, such as last summer, when the supply was insufficient to provide continuous pressure.

Tanyfron (in the same parish).—The small works carried out for this hamlet have proved satisfactory and are a great boon to the inhabitants.

Bryn rhyd-yr-Arian (in the same parish).—In my last annual report it was stated that the existing service supply to two Council houses was to be extended to supply a public standpipe in a convenient spot for the neighbouring houses. A committee of the Council interviewed the owners of these houses to explain that in the event of the Council providing a main service they were not prepared to provide a service pipe to their houses, as they were of opinion that the source of supply was inadequate during drought. The Council therefore abandoned the proposals, hoping a new water main would shortly be laid through the hamlet by the Rhyl U.D.C., when a supply could be secured for the cottages.

LLANELIAN.—The Council have under consideration a scheme for extending the water main from the borough of Colwyn Bay for supplying water for the village.

LLANSANTFFRAID.—The supply of water to this parish has been, on the whole, satisfactory, but the pressure was insufficient during the summer months owing to increased demand for water in the seaside towns adjoining and the branch main being too small and corroded for supplying Groesffordd Farm and other houses. The Council have decided to replace the one-inch pipe with a 1½ inch pipe.

BETTWS-YN RHOS.—No complaints were received as to the privately owned supply in this village.

TREFNANT.—The supply of water in the village has been satisfactory except at Greenfield, in the highest part of the village, where it was intermittent. This house cannot be supplied with a continuous pressure during the daytime owing to its high altitude, compared with the source of supply.

An extension of the water supply is required for isolated farms and houses in the upper parts of the parish, extending from Greenfield to Pencaedu, Penpahnant, Penucha'rgreen. It was proposed to obtain a water supply for this area from a source known as Pont-y-trap, near Galltfaenau, but this supply would require pumping, and this water is not altogether satisfactory, according to the analysis following:—

CERTIFICATE OF ANALYSIS

(Bacteriological).

Sample of Water received on 30/4/38.

Marked—Pont-y-trap, Galltfaenau.

Number of Organisms grown on Agar in 3 days at 20° c. ..	16 per 1 c.c.
Number of Organisms grown on Agar in 48 hours at 37° c. ...	9 per 1 c.c.

B.Coli (Lactose Indol) present in 30 c.c.
,, ,, ,, absent in 20 c.c.

This sample is not altogether satisfactory, absence of B.Coli in 50 c.c. is desirable.

(Signed) HAROLD LOWE, M.Sc., F.I.C.

Laboratory, Assay Office, Chester. 9th May, 1938.

LLANNEFYDD.—The Council have not yet agreed on a scheme to supply this village. It is understood that the County Education Authority are about to erect a new school for this area. The County Architect has been making investigation for a suitable source of supply for the school.

(ii) **Drainage and Sewerage.**

No important extensions were carried out during the year.

Sewerage and sewage disposal schemes are required for the following places:—

(1) The village of Bettws-yn-Rhos.
(2) The hamlet of Llanelian.
(3) The village of Llannefydd.
(4) The hamlet of Tan-y-fron.

New sewage disposal works are required for the village of Llansannan, where extensions to the sewers are also required.

2.—Rivers and Streams.

Some trouble has been experienced as to the pollution of the river Aled in the village of Llansannan, due to house refuse from the village tip falling into the river. The Council have been in negotiation with the Llewesog Estate for a new tip. No other complaints were received during the year.

3.—(i) **Closet Accommodation.**

Practically all the privies within a reasonable distance of sewers have been converted into water closets. About 90 per cent. of the closet accommodation where no sewers are available are of the privy type with fixed receptacles, the remaining 10 per cent. being of the privy type with movable receptacles.

(ii) **Public Cleansing.**

No extension of public cleansing was undertaken by the Council during the year.

In some parts of the district refuse disposal and cleansing are done by the occupier, and the refuse is disposed of, as a rule, on the land.

Scavenging Schemes are in operation in the parishes of Bettws-yn-Rhos, Abergele Rural, Llanfair Talhaiarn and Llansantffraid for the collection, removal and disposal of house refuse from ashbins. The Council have controlled "V" tips at Bettws Llanfair Talhaiarn, Trefnant and Llansannan. It is hoped to discontinue the deposit of refuse in the old tip at Llansannan near the river Aled, shortly, and that a new tip will be available at an early date for disposal of the village refuse.

(iii) **Sanitary Inspection of the Area.**

The report of the Sanitary Inspector is included under Article 19 of the Sanitary Officers Order, 1926.

(iv) **Shops.**

No action has had to be taken, as there are no large shops in the area.

(v) **Smoke Abatement.**

No action was found necessary under this heading.

(vi) **Swimming Baths and Pools.**

There are no swimming baths or pools open to the public in the district.

(vii) **Eradication of Bed-Bugs.**

The furniture and other belongings of tenants removed from unfit houses to the new Council Houses were disinfested with cyanide gas by expert contractors.

4.—Schools.

The scheme referred to in my last report for the erection of water closets and urinals, together with extension of the drainage system, paving of the playgrounds and the provision of ashbins for the collection of house refuse, for the school at Trefnant has been carried out.

The Elementary School at Llansannan is still in an unsatisfactory condition. A new school has not yet been provided for the parish of Llannefydd, but is now in contemplation.

SECTION D.—HOUSING.

1. Inspection of Dwelling-houses this Year:—

(1)	(a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	112
	(b) Number of inspections made for the purpose ...	310
(2)	(a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	38
	(b) Number of inspections made for the purpose...	116
(3)	Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation...	24
(4)	Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	14

2. Remedy of Defects during the Year without Service of formal Notices:—

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	—

3. Action under Statutory Powers during the Year:—

(a) Proceedings under sections 9, 10 and 16 of the Housing Act, 1936:

(1) Number of dwelling-houses in respect of which notices were served requiring repairs ... ... —

(2) Number of dwelling-houses which were rendered fit after service of formal notices:—

(a) By owners... ... ... —

(b) By Local Authority in default of owners ... —

(b) Proceedings under Public Health Acts:—

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied 36

(2) Number of dwelling-houses in which defects were remedied after service of formal notices:—

(a) By owners 4

(b) By Local Authority in default of owners ... —

(c) Proceedings under sections 11 and 13 of the Housing Act, 1936:—

(1) Number of dwelling-houses in respect of which Demolition Orders were made 7

(2) Number of dwelling-houses demolished in pursuance of Demolition Orders 7

(d) Proceedings under section 12 of the Housing Act, 1936:—

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made 1

(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit ... ... —

4. Housing Act, 1936.—Part IV.—Overcrowding:—

(a).—(i) Number of dwellings overcrowded at the end of the year	43
(ii) Number of families dwelling therein	43
(iii) Number of persons dwelling therein	254
(b).—Number of new cases of overcrowding reported during the year	—
(c).—(i) Number of cases of overcrowding relieved during the year	8
(ii) Number of persons concerned in such cases ...	42
(d).—Particulars of any cases in which dwelling-houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding	—
(e).—Any other particulars with respect to overcrowding conditions upon which the Medical Officer of Health may consider it desirable to report	—

SECTION E.—INSPECTION AND SUPERVISION OF FOOD.

(a) **Milk Supply.**

Samples of milk are collected for analysis by the County Food Inspector. Details of the work done are attached to this report.

The dairies and cowsheds are periodically inspected, and improvement has taken place in their general cleanliness. Still there is much to be done to bring the dairy farms up to modern requirements, both as to the structure of the buildings and as to perfect cleanliness, to produce milk free of bacteria and bacillus colli.

Pressure has been put on several cowkeepers to re-condition their cowsheds and dairies to comply with the Order. The agents of one large estate approached the Council on the matter, stating that for some time the staff of the estate had been engaged on the cowsheds, including drainage works. On this account the general repairs section of the estate has been practically at a standstill, and they were asking whether the Council would allow more time to do the work required in connection with the milk-sheds. The Council agreed in principle to the suggestion, but insisted that a programme should be submitted to them in due course for proceeding with the re-conditioning of the cowsheds.

Licences are issued by the **County Council** for the production of **Tuberculin Tested Milk** and **Accredited Milk.** These have to comply with certain test analyses. The herds have to be isolated and kept separate from non-tested herds. The milk has to be kept and stored in sterilised utensils.

Pasteurised Milk.—Licences for this have to be issued by the Rural Council, but so far no application has been received. The milk has to be treated by heating it up to from 145 to 150 F., held at this temperature for half an hour, and then immediately cooled to not more than 55 F. This process has to be carried out in a suitable plant. This milk also has to comply with a certain standard of analysis with regard to bacteria. The price of the licence to produce this milk is one guinea.

(b) **Meats and Other Foods.**

Samples of food for analysis are collected by the County Inspector. Slaughter-houses and shops are inspected, and are, on the whole, kept fairly clean. The district is thoroughly rural in character, and a great deal of the food supply, including meat is purchased from outside the area.

CONTROL OF PRIVATE SLAUGHTER-HOUSES AND INSPECTION OF MEAT.

Slaughter-houses registered within three months of the 1st January, 1925	10
Private slaughter-houses brought into use since the 1st January, 1925	1
Terminable licences granted since the 1st January, 1925...	None
Registered slaughter-houses in use	10
Licensed slaughter-houses in use	None
The Council have adopted bye-laws for regulating private slaughter-houses.	
The Council have satisfied themselves that the requirement of the Public Health (Meat) Regulations, 1924, as to notice of slaughter of animals intended for human consumption is being observed generally.	
Carcases intended for human consumption examined by the Council during 1937...	262
Carcases seized during the year	1 pig, 1 sheep.

(c) **Adulteration, &c.**

A summary is attached to this report, showing samples of food and drugs collected for analysis, together with the result.

(d) Chemical and Bacteriological Examination of Food.

Food inspection is mainly done by the County Council, and up to the present the District Council have not taken any samples of food for chemical and bacteriological examination.

(e) Nutrition.

The District Council have taken no action in this matter apart from what is done by the Public Health Officials in the execution of their duties.

(f) Shell Fish.

There are no shell fish or layings in the district.

TUBERCULOSIS.

The total number of cases of Pulmonary Tuberculosis notified during the year was 11, and of other Tuberculous Diseases 3, making altogether 14. There were 4 deaths from Pulmonary and none from other tuberculous causes.

Particulars of all cases of tuberculosis notified are forwarded every week to the County Medical Officer.

New Cases and Mortality belonging to the District during 1937.

Age. Periods.	New Cases. Pulmonary. M.	New Cases. Pulmonary. F.	New Cases. Non-Pulmonary. M.	New Cases. Non-Pulmonary. F.	Deaths. Pulmonary. M.	Deaths. Pulmonary. F.	Deaths. Non-Pulmonary. M.	Deaths. Non-Pulmonary. F.
0		...		...		...		
1		...		...		...		
5		...	1	...		...		
10		...	1	...		...		
15	1	...		...		...		
20	1	1 ...		...		...		
25	1	2 ...		...		...		
35		...		...	1	...		
45		2 ...	1	...		...		
50		2 ...		...	2	...		
65 and upwards		1 ...		...		1 ...		
Total	3	8 ...	3		3	1 ...		

(1) All cases were notified in the area. No action had to be taken for non-notification in the area.

(2) No evidence of excessive incidence or mortality from tuberculosis.

PUBLIC HEALTH (PREVENTION OF TUBERCULOSIS) REGULATIONS, 1925.

No action was taken under the above Regulations.

PUBLIC HEALTH ACT, 1925, Section 62.

No action was required under Section 62 of the above Act.

GENERAL.

There is a decrease in the estimated population of the Aled district of 95, and there are 17 fewer births during the year. The number of deaths is about the same as during the last few years. 16 deaths from cancer during the year was high. Also 12 from heart disease and 13 from cerebral haemorrhage are rather high. There were 14 cases of tuberculosis notified during the year; 11 were pulmonary and 3 non-pulmonary; but there were only 4 deaths during the year. 20 cases of diphtheria and 6 of scarlet fever; 17 of them were treated in hospital. There is no immunisation scheme yet adopted, but if parents wish to have it done the Council would not be averse to having it done.

HOSPITAL ACCOMMODATION.

The Isolation Hospital has been over-taxed of late on account of the large number of cases admitted from outside the Joint Hospital Board area. The Joint Hospital Board consists of representatives of the following Councils:—

Denbigh Borough, in the County of Denbigh;

Abergele U.D.C., in the County of Denbigh;

Aled R.D.C., in the County of Denbigh;

Prestatyn U.D.C., in the County of Flint;

St. Asaph R.D.C., in the County of Flint.

The accommodation was ample for the needs of the above district, but during recent years a large number were admitted from outside the district, viz., from Connah's Quay, Buckley, and other districts, with the result that applications were received for inclusion in the Joint Hospital Authority by Buckley U.D.C. and Connah's Quay U.D.C. Satisfactory terms were agreed upon, and they were included as from 1st April, 1938. The Board immediately applied to the Welsh Board of Health for an amendment of their Order to include the new authorities.

Since then an application has been received from Holywell R.D.C. for inclusion as a Constituent Authority upon terms agreed upon.

There has been some delay in the issue of the amending Order.

The Flintshire County Council have submitted their Scheme under section 185 of the Public Health Act, 1936, to the Welsh Board of Health. There has been some delay on the part of Denbigh County Council in submitting their Scheme under the same section.

In view of the possible enlargement of the Hospital district it was felt that extensive additions and alterations to the existing Hospital would be necessary, and accordingly the Board gave instructions to Mr. F. A. Roberts, Architect, Mold, to prepare the necessary plans. These plans have been approved by the Welsh Board of Health. To enable the Board to carry out the extensions it will be necessary to acquire an additional 1¾ acres of land. They are negotiating with the owner as to terms for the purchase. The Board do not intend to advertise for tenders until they know their position as to the new constituent authorities to be included in the enlarged district.

The Board have also had informal meetings with representatives of Ruthin Borough and Ruthin R.D.C. as to the terms for inclusion as constituent authorities.

If this Scheme is carried out, the following improvements, approved by the Ministry of Health, would be carried out:—The nurses' home to be increased to have altogether 30 beds; 3 additional cubicles to Cubicle Block; a new Pavilion Block, with combined cubicles. Later, if necessary, an extra combined cubicle and Pavilion Block, with an operating theatre.

If and when the new alterations and additions are carried out, it will be the finest Hospital in North Wales.

(Signed) HENRY LLOYD,
M.D., M.R.C.S., L.S.A., D.P.H.,
Medical Officer of Health.

TABLE I.

Vital Statistics of Whole District during 1937 and previous years.

Name of District—ALED RURAL DISTRICT.

Year.	Population estimated to Middle of each Year.	Births.			Total Deaths Registered in the District.		Transferable Deaths		Nett Deaths belonging to the District.			
									Under 1 Year of Age		At all Ages.	
		Uncorrected Number.	Nett Number.	Nett Rate.	Number	Rate.	Of Non-residents registered in the District.	Of Residents not registered in the District.	Number.	Rate per 1000 Nett Births.	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
1919	for B 6427 for D 6170	112	112	17·42	102	16·53	6	8	11	98 21	108	17·5
1920	6416	170	170	26·49	96	14 96	2	7	12	70.58	102	15·8
1921	6790 6833	113	113	16·64	55	8·10	1	6	8	70 7	61	8 96
1922	6785 6743	123	113	18·00	88	12·87	4	12	9	73·17	90	13 16
1923	6785	114	121	16·50	66	9·72	2	9	7	62 5	76	11·20
1924	7643	116	116	17·20	64	9·49	1	9	8	68·96	72	10 60
1925	6708	124	124	18·44	80	11·77	2	9	8	64 51	87	12 96
1926	6545	101	101	15·43	70	10·68	2	12	11	108 91	80	12.22
1927	6555	107	107	16·32	81	12·35	1	21	10	93·46	101	15·40
1928	7914	124	124	18 41	129	8·15	1	16	8	64·51	70	10·39
1929	6998	107	107	15·29	182	11·71	4	17	6	56·07	95	13 57
1930	6998	108	108	15 43	65	9 28	3	14	7	64.8	76	10 8
1931	7255	104	104	14·3	66	9·09	4	15	9	86·5	77	10·6
1932	7403	110	110	14 8	99	13·37	10	19	6	54·54	108	14 58
1933	7478	90	90	12·03	113	15 11	16	20	9	100·0	117	14·30
1934	7470	91	91	10·84	87	11·71	15	17	1	11 1	89	11·91
1935	6412	109	109	16·9	91	14·1	7	21	4	36 6	91	14·1
1936	6445	107	107	16·6	83	14·4	14	17	5	46 7	86	13·3
1937	6350	90	90	14·17	85	13 38	16	18	7	77·7	83	13.07

Area of District in acres (land and inland water): 69,206. Total population at all ages: 7.255, at Census, April, 1931.

TABLE II.

Cases of Infectious Diseases notified during the year 1937 in the Aled Rural District.

Diseases Notified.	Number of Cases Notified. At Ages—Years. 1 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and upwards	At all Ages	Total Cases Notified in each Locality. Llansannan	Llannefydd	Llanfairtalhaiarn	Glan Conway	Cefn	Trefnant	Betws & Trofarth	Llanelian	Bylchau	Abergele Rural	Treated in Isolation Hospital, St. Asaph	Conway Isolation Hospital
Diphtheria	6	4	4	6	...	...	20	...	...	...	1	2	...	3	1	...	13	12	4
Scarlet Fever	2	2	2	...	...	...	6	2	...	...	.	...	2	...	...	...	3	5	...
Typhoid and Para Typhoid ...	...	...	...	...	...	..	...	...	...	..	.		...	...	...	...	..	...	...
Pneumonia	...	..	...	...	1	...	1	...	..	..	.	..	..	...	...	...	...	..	.
P'eral Pyrexia and P'eral Fever	..	...	...	...	...	...	.	..	...	...	.	.	...	...	...	...	...	...	...
Erysipelas	...	..	1	1	...	..	2	...	...	1	..	.	1	...	...	..	..	...	...
Acute Poliomyelitis	...	...	...	...	...	.	.	...	...	...	.	.	...	...	...	...	...	...	...
Cerebro Spinal Meningitis ...	..	...	...	...	...	...	...	...	...	...	.		...	...	..	...	...	...	...
Encephalitis Lethargica ...	...	..	...	...	...	...	...	...	..	...	.	.	...	...	...	...	...	...	...
Ophthalmia Neonatorum ...	...	...	..	...	...	...	...	...	...	..	.	..	...	...	..	...	...	...	..
	8	6	7	7	1		29	2		1	1	2	3	3	1	...	16	17	4

St. Asaph and District Conjoint Isolation Hospital.
Also Conway Isolation Hospital.

Sanatoria: None

TABLE III.

Causes of and Ages at Death during the year 1937.

Name of District— ALED RURAL DISTRICT.

Causes of Death.	ANALYSIS OF NETT DEATHS ACCORDING TO AGE.							
	All Ages.	Under 1 year.	2 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 45 years.	45 and under 65 years.	65 and under 100 years.
1 Typhoid & Paratyphoid Fevers	...	..	..	..	..	..	..	..
2 Measles	..	..	..	..	..	..	..	..
3 Scarlet Fever	..	..	...	..	..	..	..	..
4 Whooping Cough	..	...	..	..	..	..	..	...
5 Diphtheria	1	..	..	..	..	1	..	..
6 Influenza	...	..	..	...	..	..	..	..
7 Encephalitis Lethargica	..	..	..	..	...	..	..	..
8 Cerebro-Spinal Fever	..	..	..	..	..	..	..	..
9 Tuberculosis of respiratory system	4	..	..	..	1	2	1	..
10 Other Tuberculous Diseases ...	..	..	..	..	..	...	...	..
11 Syphilis	..	..	..	...	..	..	..	..
12 General Paralysis of the Insane	...	..	..	...	..	..	..	..
13 Cancer	16	..	..	..	..	1	3	12
14 Diabetes	1	..	..	..	..	..	..	1
15 Cerebral Hæmorrhage, &c. ...	13	..	..	..	..	5	3	5
16 Heart Disease	12	..	..	..	..	2	7	3
17 Aneurism	..	..	..	..	..	..	..	..
18 Other Circulatory Diseases ...	4	..	..	..	...	..	3	1
19 Bronchitis	1	..	..	..	..	1	..	..
20 Pneumonia (all forms)	2	..	...	...	..	1	..	1
21 Other Respiratory Diseases ...	..	..	..	..	..	...	..	..
22 Ulcer of Stomach	1	..	...	..	..	..	1	...
23 Diarrhœa, &c. (under 2 years) ...	1	1	..	..	..	..	..	..
24 Appendicitis	1	..	..	1	..	..	..	..
25 Cirrhosis of Liver	..	..	..	..	..	...	..	..
26 Other Diseases of Liver, &c. ...	1	..	..	..	..	..	1	..
27 Other Digestive Diseases ...	..	..	..	..	..	...	..	..
28 Acute and Chronic Nephritis ...	7	..	..	..	..	2	2	3
29 Puerperal Sepsis	...	..	..	..	..	...	..	..
30 Other Puerperal Causes	...	..	..	..	..	...	..	..
31 Congenital Debility, Premature Birth, Malformations, &c. ...	6	6	..	..	..	..	..	..
32 Senility	3	..	..	..	..	..	..	3
33 Suicide	1	..	..	..	..	1	..	..
34 Other Violence	2	..	..	..	...	1	..	1
35 Other Defined Diseases	6	..	..	..	..	1	2	3
36 Causes Ill-defined or Unknown	..	..	..	..	..	..	..	..
Total	83	7	...	1	1	18	23	33

TABLE IV.

Infant Mortality during the Year 1937.

Nett Deaths from stated causes at various Ages under 1 Year of Age.

Name of District—ALED RURAL DISTRICT.

Causes of Death.	Under 1 week.	1—2 weeks.	2 - 3 weeks.	3 - 4 weeks.	Total under 4 weeks.	4 weeks and under 3 months.	3 months and under 6 months.	6 months and under 9 months.	9 months and under 12 months.	Total Deaths under 1 year.
All causes { Certified ...	..	..	..	.	.	...	...	...	...	..
All causes { Uncertified ..	.	...	..	..	.	..	..	..	...	
Small-pox	...	.	.	.		...	...	...	...	...
Chicken-pox	.	.	.	.		...	...	...	. .	...
Measles	.	..	..	.		...	...	..	...	...
Scarlet Fever	.	...	.	..	.	..	...	..	...	...
Whooping Cough ..	.		.	..		..	.	...	...	...
Diphtheria and Croup ..	..	.	..			.	...	...	..	..
Erysipelas	..	.	.	.		...	...	...	...	...
Tuberculous Meningitis ...	.	.		.	.	...	.	...	..	...
Abdominal Tuberculosis ...	...	...	...			...	.	.	.	..
Other Tuberculous Diseases	.	.	.		.	...	...	...	..	
Meningitis (*not Tuberculous*)		.	...	..	.	.	...	...	..	...
Convulsions	..	...	..	..	.	.	. .	...	...	...
Laryngitis	...	.	.		...	...	...	...	...	...
Bronchitis		.				...	...	..	...	...
Pneumonia (all forms) ...	..	. .	.		.	...	...	..	...	.
Diarrhœa	.	.	.	.		...	1	...	...	1
Enteritis	.	..				...	...	...	...	...
Gastritis	.	.	.	...	..	..	...	..	..	...
Syphilis	..	..	.		...	...	...	..	...	...
Rickets	.	.		.	.	...	..	..	..	...
Suffocation, overlying ..	.	..	.	.	.	.	...	...	...	..
Injury at Birth		..	.	.			..	...	...	...
Atelectasis	..	...	..	.		1	...	..	..	1
Congenital Malformations ...	1	.	..	.	1	...	..	...	.	1
Premature Births ...	2	.	...	.	2	...	..	..	.	2
Atrophy, Debility & Marasmus	1	.	..	.	1	...	1	...	.	2
Influenza	..	...	..	.	...	...	...	...	..	...
Other Causes	.	.	.	.	...	...	...	...	...	..
Totals ...	4	...			4	1	2			7

Nett Births registered during the calendar year 90 { Legitimate .. ... 87; Illegitimate 3

Nett Deaths registered during the calendar year 7 { Legitimate Infants .. 7; Illegitimate Infants .. 0

Still-births 1— Legitimate: Male 0, Female 1.
Illegitimate : Male 0, Female 0.

Annual Report of the Medical Officer of Health for the year 1937 for the Rural District of Aled, on the administration of the Factory and Workshop Act, 1901, in connection with Factories, Workshops, and Workplaces.

1.—Inspection of Factories, Workshops and Workplaces

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises	Number of		
	Inspections	Written Notices	Prosecutions
(1)	(2)	(3)	(4)
Factories (Including Factory Laundries)	8	..	..
Workshops (Including Workshop Laundries)	60	2	..
Workplaces (Other than Outworkers' premises)	..	..	..
Total	68	2	..

2.—Defects Found in Factories, Workshops & Workplaces

Particulars	Number of Defects.			Number of Prosecutions.
	Found	Remedied	Referred to H.M. Inspector	
(1)	(2)	(3)	(4)	(5)
*Nuisances under the Public Health Acts:—**				
Want of cleanliness	2	2	..	..
Want of ventilation	..	..	..	..
Overcrowding	..	..	..	..
Want of drainage of floors	1	1	..	..
Other nuisances	1	1	..	..
Sanitary accommodation — insufficient	..	..	..	..
Sanitary accommodation — unsuitable or defective	..	..	..	..
Sanitary accommodation — not separate for sexes	..	..	..	..
Offences under the Factory & Workshop Acts:				
Illegal occupation of underground bakehouse (s. 101)	..	..	..	..
Other offences	..	..	..	..
Total	4	4	..	..

* Including those specified in Sections 2, 3, 7 and 8 of the Factory and Workshop Act, 1901, as remediable under the Public Health Acts.

3.—Outwork in Unwholesome Premises, Section 108.

Nil.

HENRY LLOYD, M.D., M.R.C.S., D.P.H., L.S.A.,
27th June, 1938. Medical Officer of Health.

Aled Rural District Council

ANNUAL REPORT OF THE SANITARY INSPECTOR FOR THE YEAR 1937.

St. Asaph,
12th February, 1938.

To the Chairman and Members of the Council.

Mrs. Reece and Gentlemen,

I have the honour to lay before you my Annual Report for 1937:—

Total number of inspections and visits made	1180

INFECTIOUS DISEASES.

Number of cases inquired into...	17
Number of houses disinfected	18
Number of schools disinfected	—

DWELLINGS.

Number erected...	34
Number made fit for habitation	1
Number of cases of overcrowding	43

DRAINAGE, &c.

Number laid or relaid...	50
Number cleaned, trapped and ventilated	20
Number of new water closets	35
Number of repairs to water closets	40
Number of new privies and ashpits	6
Number of privies converted into W.C.'s	—

SCAVENGING (PARISHES OF BETTWS, ABERGELE, LLANFAIR T.H., and LLANSANTFFRAID).

	Bettws, Abergele.	Llanfair T.H.	Llansant-ffraid.
Number of privies emptied	—	—	4
Number of pail closets emptied ...	—	—	13
Number of ashbins emptied	1055	2270	8110
Number of ashpits emptied	—	—	—
Number of loads of refuse removed	69	150	102
Number of cesspools emptied... ...	—	—	—
Tons of refuse	—	—	306
Cost	£15	£30	£90

REFUSE.

Number of accumulations removed	34

WATER.

Number of new places supplied	40
Number of repairs, fittings, &c.	70

DAIRIES AND COWSHEDS.

Number of new dairies erected	2
Number of new cowsheds erected	2
Number of dairies repaired	6
Number of cowsheds repaired	16
Number of persons registered	98
Number of registered places in use and inspected	98

SLAUGHTER-HOUSES.

Number registered or licensed	10
Number erected	—
Number repaired	1

OFFENSIVE TRADES.

Number dealt with	1

ANIMALS.

Number of cases causing nuisance	26

LODGING HOUSES.

Number registered and inspected	—

CLERICAL WORK.

Number of letters received	460
Number of letters written	401
Number of informal notices served	58
Number of informal notices complied with	54

LEGAL PROCEEDINGS.

Number of formal notices served	4
Number of formal notices complied with	4
Number of prosecutions	—

FACTORIES AND WORKSHOPS.

Number registered...	52
Number of written notices	2
Number complied with	2

WATER SUPPLY.

The works of water supply and water mains in the villages of Llanfair Talhaiarn and Llansannan and the hamlet of Tan-y-Fron were maintained in good condition. The water mains in the parishes of Cefn, Llansantffraid and Trefnant also were satisfactory. Water is obtained in bulk for these parishes as follows:—

Cefn and Trefnant are supplied by the Rhyl U.D.C. at 1/6 per thousand gallons.

967,000 gallons were supplied to Cefn at a cost of £72 10s. 6d.

1,406,000 gallons were supplied to Trefnant at a cost of £330 9s. 0d.

Water for Llansantffraid is supplied by the Conway and Colwyn Bay Joint Water Supply Board, and a precept is issued by the Board towards the cost.

	No. of Houses Supplied.		Winter Population.
Houses supplied with water direct from Board's Water Mains	50	...	161
Houses supplied with water from the Board's Works through the District Mains	295	...	821
Houses supplied with water from the Mains of the Llandudno U.D.C.	5	...	13

There are 2 garages and 2 nurseries supplied with water from the district main connected with the Board's works.

The supply of water has been continuous in all the areas referred to with the exception of the higher altitudes in Glan Conway and Greenfield (Trefnant), where the supply is intermittent owing to lack of pressure.

Works of Water Supply in the Parishes of Cefn, Llanfairtalhaiarn, Llansannan, Llansantffraid and Trefnant.

Table showing sizes and lengths of Watermains, Situation, Size, and Capacity of Reservoirs, Particulars of Pumping Stations, Plant, etc.

PARISH	Watermain (lengths of Pipes)				Reservoirs			Pumping Stations			Source of Water Supply and Treatment
	Cast Iron		Galvanised Iron								
	4 ins.	3 ins.	1½ ins.	1 in.	Situation	Size	Capacity	Size of Pump House	Engine	Pump	
CEFN	....	3 mls.	¾ mls.	2 mls.	Plas Newydd, CEFN	2 tanks 16' 9" x 8' 3" x 6'	10,000 gallons	9' x 7'	Oil 3 B.H.P.	Ram Gear Driven	As for Trefnant
LLANFAIR T.H.	(Spun Iron) 1,196 lin. yds.	2 mls.	....	....	Nant Uchaf, LLANFAIR T.H. Bedwyn Isaf Llanfair T.H.	2 tanks 18' x 15' x 6' 1 tank 38' 5½" x 9' 9½" x 4' 8"	20,000 gallons 10,963 gallons	....	....	....	Springs on upland grounds Sand Filters
LLANSANT-FFRAID	....	....	....	....	....	....	....	....	....	....	Cowlyd Lake, in the Caernarvonshire Range of Mountains, augmented by means of Tunnels & leets leading from the Eigiau, Dulyn & Llugwy Watersheds. Not treated
LLANSANNAN	....	¾ ml.	....	....	Plas Uchaf, LLAN-SANNAN	4 tanks 20' x 14' x 6'	40,000 gallons	....	....	....	Springs on upland grounds Sand Filters
TAN-Y-FRON	....	....	684 lin. yds.	....	....	....	3,000 gallons	...	....	....	Springs on upland grounds No Filter
TREFNANT	1½ mls.	2/3 ml.	....	....	....	....	....	....	....	....	* See below

* Impounding Reservoirs on Upland Grounds near Llannefydd and Denbigh Moors.

Filtration Plant at Glascoed.

Candy Mechanical Filters Capacity 1,750,000 gallons per day. Raw water treated with Alumina. Filtered water treated with Sodium Carbonate for protection against Plumbo Solvensy. Filtered water finally Chlorinated.

Typical Bacteriological and Chemical Analysis attached hereto.

ANALYST'S REPORT.

The Counties Public Health Laboratories,
91, Queen Victoria Street, London, E.C.4.

Reference L2592.

Analysis of a sample of water received on 3/11/37 from Rhyl U.D.C., labelled Glascoed Filter Station.

Signed and taken by O. P. Cronshaw.

Witness, H. Roberts. Date, 2/11/37, 4 p.m.

Chemical Results in parts per 100,000.

Appearance	Clear and Bright.	
Colour	Normal. Odour—Nil.	
Reaction pH	Neutral 7.3. Free Carbonic Acid 0.35	
Electric Conductivity at 20°c.	170	
Total Solids 180°c.	11.5	
Chlorine in Chlorides	1.5	
Nitrogen in Nitrates	0.12	Nitrites Absent
Hardness: Permanent	3.5	
Temporary	2.5	
Total	6.0	
Metals	Absent	
Free Ammonia	0.0016	Ammoniacal Nitrogen
Albuminoid Ammonia	0.0072	Albuminoid Nitrogen
Oxygen Absorbed in 4 hrs. at 80°F...	0.090	

Bacteriological Results

No. of Bacteria per c.c. or ml.		
On Agar in 3 days at 20°c.	48	
1 day at 37°c.	2	
2 days at 37°c.	2	
The Bacillus Coli ... ... Present in	—	Absent in 100 c.c.
Bacillus Welchii ... ... Present in	—	Absent in 100 c.c.
(B. Enteritidis Sporogenes)		

REPORT.—This sample is clear and bright, odourless, of normal colour, and neutral in reaction. The water is soft in character, contains no excess of saline or mineral matter in solution, no metals, and is of good organic quality and the highest standard of bacterial purity.

We are of opinion therefore that it is a pure and wholesome water, suitable for the purpose of public supply.

(Signed) E. V. SUCKLING,

For Drs. Beale & Suckling.

The Counties Public Health Laboratories,

91, Queen Victoria Street, London, E.C.4,

6th December, 1937.

Ref.: L.3301.

Report on the Bacteriological Examination of a sample of Water received 1/12/37, from Rhyl Urban District Council. Source: Filtered water inlet to supply mains, Glascoed Filter Station. Taken and signed, O. P. Cronshaw. Witness, R. Davies, 30/11/37, 3.45 p.m.

Number of Colonies per cubic centimetre or millitre of water growing upon Agar at 20°c. in 3 days ...	1
Number of Colonies per cubic centimetre of millilitre of water growing upon Agar at 37°c. in 1 day ...	0
in 2 days ...	1
Smallest quantity of water producing acid and gas in Bile-Salt Lactose Broth after 2 days incubation at 37°c.	Absent in 100 cc.
Smallest quantity of water containing the Bacillus Coli	Absent in 100 c.c.
Smallest quantity of water giving the reaction of the B. Welchii (Bacillus Enteritidis Sporogenes)	Absent in 100 c.c.

This is a clear and bright water of the highest degree of bacterial purity. It is pure and wholesome water, suitable for the purposes of Public Supply.

(Signed) JOHN F. BEALE,

For Drs. Beale & Suckling.

Trinity Square, Llandudno,

Conway and Colwyn Bay Joint Water Supply Board,

Engineer's Office,

February 9th, 1938.

Dear Sir,

Annual Report

With reference to your letter of 20th December, the supply to the district is not treated in any way. The supply is wholly by gravitation, and the Analyst's latest report states that the water is of very good quality and is suitable in all respects for drinking and domestic use.

Yours faithfully,

CHAS F. FARRINGTON.

The following pressures taken at Trefnant on 1st Jan., 1938 are a fair indication of the supply of water available in the parish:—

Name of Premises.	Feet.		Time.
Bryn Asaph...	100	.....	1-30 p.m
Maes Elwy	90	.....	1-45 ,,
Maes Elwy Lodge	100	.....	2 ,,
Llanmerch	130	.....	2-15 ,,
Allt Goch	50	.....	2-30 ,,
Glanllyn Hall	130	.....	2-45 ,,
Maelor	100	.....	3-5 ,,
Trefnant Hotel	90	.....	3-15 ,,
Railway Terrace	105	.....	3-20 ,,
Bryndyffryn	70	.....	3-35 ,,
Hafod...	135	.....	4-0 ,,
Maesheulyn...	120	.....	4-20 ,,
School House	60	.....	4-45 ,,
Rectory	40	.....	5-0 ,,
Greenfield	20	.....	5-10 ,,

SEWERAGE AND SEWAGE DISPOSAL WORKS.

The Sewage Disposal Works at Llanfair Talhaiarn, Llansannan, Dolwyd, Llansantffraid and Trefnant, although not of modern design, were kept in good order. The Disposal Works in connection with the Council Houses at Marli and Rhewl (Cefn), Groes (Bylchau), Llannefydd, Tan-y-Fron, and Rhyd-yr-Arian (Llansannan), and Graig (Llansantffraid) were well cared for The sewers in connection with the works referred to and at Llansantffraid were maintained in a satisfactory state.

SCAVENGING.

A Scavenging System has been carried out satisfactorily in the parishes of Bettws, Abergele, Llanfair Talhaiarn and Llansantffraid. The ashbins in connection with the houses were emptied once a fortnight. The refuse tips in connection with the first two parishes are in isolated positions and far away from any dwelling-houses. The refuse from Llansantffraid was disposed of at Pensarn, Llandudno Junction, at a safe distance from dwelling-houses.

FOOD AND DRUGS.

FOOD AND DRUGS (ADULTERATION) ACT, 1928.

The following summary was kindly supplied by the County Inspector:—

Samples of food and drugs taken during the year ended 31st December, 1937, in the Aled Rural District by the Inspectors of the Denbighshire County Council:

Article.	Number.		Result of Analysis.
Milk	9	...	Genuine.
Butter	1	...	,,
Sausage	1	...	,,
Lard...	1	...	,,
Cheese	1	...	,,
Rice...	1	...	,,
Jam	1	...	,,
Spice	1	...	,,
Sultanas	1	...	,,
Cream of Tartar ...	1	...	,,
Olive Oil	1	...	,,
Total ...	19		

HOUSING.

The following is a list of houses belonging to the Council in the various parishes:—

Parish.	Houses. No. of Parlour Type.		No. of Non-Parlour Type.
Bettws, Abergele	—	.....	8
Bylchau	—	.....	6
Cefn...	—	.....	8
Llanelian	—	.....	—
Llanfair Talhaiarn	2	.....	8
Llannefydd	2	.....	2
Llansannan	4	.....	8
Llansantffraid	—	.....	32
Trefnant	—	.....	8
	8	.....	80

SLUM CLEARANCE PROGRAMME.

Details in Connection with each Parish.

Year.	Parish.	No. of Houses Scheduled Unfit.	No. of Persons to be displaced.	No. of New Houses proposed in connection with displacement.	Remarks.
1936	Llansantffraid...	8	21	7	Clearance Area.
	Bettws, Abergele...	10	40	10	Individually unfit houses.
1937	Abergele, Rural	4	18	4	do.
	Llanfairtalhaiarn...	6	25	6	do.
	Llansannan	1	9	1	do.
1938	Llansantffraid	14	47	14	do.
1939	Cefn	4	19	4	do.
	Bylchau	2	9	2	do.
	Llanelian	1	6	1	do.
	Llannefydd	8	29	8	do.
1940	Trefnant	12	32	10	do.
	Total ...	70	255	67	

The Council are taking steps to acquire sites for the erection of houses. Sixteen houses are now completed. Four Clearance Orders for the demolition of 15 houses have been confirmed by the Ministry of Health.

78 persons have been displaced from unfit houses, as shown in Certificates Nos. 4 and 5.

Your obedient servant,

EDW. O. EVANS, F.S.I.A., Cert.R.S.I.,

Sanitary Inspector and Sanitary Surveyor.

RAINFALL IN 1937.

A record of rainfall in 1937, taken at "Yr Ardd," Denbigh, kindly supplied by the Mayor of Denbigh, Col. Gronwy R. Griffith.

Month.	Total Depth. Inches.	Greatest fall in 24 hours. Inches.	Date.	Number of days with .01 in. or more.	Number of days with .04 in. or more.
January	2.59	0.56	5	17	14
February	5.50	1.44	27	23	19
March	2.71	0.48	16	18	14
April	3.69	1.22	16	15	11
May	1.75	0.36	3	10	9
June	1.41	0.70	12	9	8
July	1.74	0.47	15	17	10
August	0.81	0.53	13	6	4
September	2.06	0.85	19	15	9
October	2.76	0.91	23	12	10
November	1.43	0.37	18	12	7
December	2.75	0.56	4	18	11
Total	29.20			172	126

At Mental Hospital Gardens, Denbigh, Rain gauge.—Diameter of funnel 5-inch; height of top above ground, 1-ft.; height of ground above sea level, 316 ft.

Month.	Total Depth. Inches.	Greatest fall in 24 hours. Inches.	Date.	Number of days with .01 in. or more.	Number of days with .04 in. or more.
January	2.75	0.51	5	20	15
February	5.23	0.91	27	22	20
March	2.85	0.52	16	18	18
April	3.41	1.06	16	14	13
May	1.88	0.38	3	11	10
June	1.56	0.74	12	11	7
July	1.86	0.50	15	15	11
August	0.97	0.63	13	7	5
September	1.93	0.65	19	14	10
October	2.92	0.85	23	13	12
November	1.44	0.40	18	11	9
December	3.17	0.52	4	20	15
Total	29.97			176	145

WM. BARKER.

RHYL'S RAINFALL—10 Years' Average.

The average Rainfall for 10 years in Inches is as follows:—

1928 ... 27.48	1929 ... 26.23	1930 ... 32.62
1931 ... 27.85	1932 ... 26.79	1933 ... 18.10
1934 ... 21.48	1935 ... 27.43	1936 ... 30.42
	1937 ... 25.51	

Total average for 10 years, 26.39 inches.